

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of the claims in the present application.

Listing of Claims:

1. (Currently Amended) A tool head for attaching an electrical conductor on a contact surface of a substrate, comprising:
 - a vibration exciter for generating linear ultrasonic vibrations;
 - a bonding tool adapted to contact at least one of the contact surface and the conductor, the contacting applying a contact pressure to the conductor in a direction of the contact surface via the bonding tool, the conductor being adapted to be welded onto the contact surface with the aid of ultrasonic vibrations transmitted to at least one of the contact surface and the conductor;
 - a vibration conductor absorbing the linear ultrasonic vibrations of the vibration exciter; and
 - a converter situated between the vibration conductor and the bonding tool to convert the linear vibrations into radial vibrations such that the bonding tool is able to be incited to one of radial vibrations and rotary vibrations about a tool axis of rotation,
wherein the radial vibrations are torsional vibrations.
2. (Original) The tool head according to claim 1, wherein the converter is a component dynamically balanced with respect to a center axis, the vibration conductor being laterally secured on the converter perpendicularly to the center axis.
3. (Original) The tool head according to claim 2, wherein the bonding tool is secured at one end in the center axis of the converter.
4. (Original) The tool head according to claim 1, wherein the converter has, across its body, regions of nodes of vibration with respect to introductory rotary vibrations, in which a vibration amplitude of the rotary vibrations is zero, the converter being held without play in a tool support in a region of at least one node of vibration.
5. (Original) The tool head according to claim 4, wherein the vibration conductor and the vibration exciter project freely from the converter.
6. (Previously Presented) A tool head for attaching an electrical conductor on a contact surface of a substrate, comprising:
 - a vibration exciter for generating linear ultrasonic vibrations;

a bonding tool adapted to contact at least one of the contact surface and the conductor, the contacting applying a contact pressure to the conductor in a direction of the contact surface via the bonding tool, the conductor being adapted to be welded onto the contact surface with the aid of ultrasonic vibrations transmitted to at least one of the contact surface and the conductor;

a vibration conductor absorbing the linear ultrasonic vibrations of the vibration exciter; and

a converter situated between the vibration conductor and the bonding tool to convert the linear vibrations into radial vibrations such that the bonding tool is able to be incited to one of radial vibrations and rotary vibrations about a tool axis of rotation wherein the electrical conductor is fed to the bonding tool through the converter, through a feed channel.

7. (Previously Presented) A method for attaching an electrical conductor on a contact surface of a substrate, comprising:

generating linear ultrasonic vibrations; and

converting the linear ultrasonic vibrations into rotary vibrations, and

introducing the rotary vibrations into at least one of the contact surface and the conductor in order to produce a permanent bond between the contact surface and the conductor the rotary vibrations incited about an axis of rotation of rotation about a bonding tool.

8. (Original) The method according to claim 7, wherein the method is performed using a tool head.

9. (Canceled).